MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2016/2017

TCC3141 – CLOUD COMPUTING

(All Sections / Groups)

02 JUNE 2017
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 3 printed pages including cover page with 5 questions only.

2. Attempt **ALL** questions. All questions carry equal marks and the distribution of marks for each question is given.

3. Please write all your answers in the Answer Booklet provided.

Question 1 [10 Marks]

(a) Identify **FOUR (4)** pre-existing technologies that influence the development of cloud computing.

[4 Marks]

(b) Explain the risks and challenges involved in the cloud computing deployment.

[4 Marks]

(c) Define the role of cloud broker.

[2 Marks]

Question 2 [10 Marks]

(a) Identify the **FOUR (4)** levels of cloud storage.

[4 Marks]

(b) Differentiate between network storage and object storage interfaces.

[4 Marks]

(c) Describe the redundant storage architecture in cloud computing.

[2 Marks]

Question 3 [10 Marks]

(a) Analyse the function of logical network parameter in cloud infrastructure mechanisms.

[6 Marks]

(b) Differentiate between the **THREE (3)** different formats of cloud usage monitor.

[3 Marks]

(c) Identify the technology used in resource replication.

[1 Mark]

Continued ...

Question 4 [10 Marks]

(a) Define and identify **THREE (3)** types of threat agents.

[4 marks]

(b) Differentiate between the **FOUR (4)** main components of Identity & Access Management (IAM).

[4 Marks]

(c) Analyse the hardening process in cloud security mechanisms, by providing examples of the processes involved.

[2 Marks]

Question 5 [10 Marks]

(a) Compare between up-front and on-going costs.

[2 Marks]

(b) Evaluate the **FOUR (4)** cloud usage cost metrics.

[4 Marks]

(c) Describe any **FOUR (4)** good practices for working with Service Level Agreements (SLAs).

[4 Marks]

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